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L6	0	L5 same (agricultur\$4 same machine\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/28 14:38
L7	12	discharg\$4 same crop\$4 same harvest\$4 same vessel\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/28 15:11
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### 1 [Using name-based mappings to increase hit rates](#)

David G. Thaler, Chinya V. Ravishankar

February 1998 **IEEE/ACM Transactions on Networking (TON)**, Volume 6 Issue 1
 Full text available: pdf(408.98 KB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

**Keywords:** World Wide Web, caching, client-server systems, computer networks, distributed agreement, multicast routing, proxies

### 2 [Replacement policies for a proxy cache](#)

Luigi Rizzo, Lorenzo Vicisano

April 2000 **IEEE/ACM Transactions on Networking (TON)**, Volume 8 Issue 2
 Full text available: pdf(277.42 KB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

**Keywords:** Web, caching, communication networks, policies, replacement

### 3 [HyPursuit: a hierarchical network search engine that exploits content-link hypertext clustering](#)

Ron Weiss, Bienvenido Vélez, Mark A. Sheldon

March 1996 **Proceedings of the the seventh ACM conference on Hypertext**
 Full text available: pdf(2.00 MB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

### 4 [Special issue on word sense disambiguation: Automatic word sense discrimination](#)

Hinrich Schütze

March 1998 **Computational Linguistics**, Volume 24 Issue 1
 Full text available: pdf(1.97 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)  
[Publisher Site](#)

This paper presents context-group discrimination, a disambiguation algorithm based on clustering. Senses are interpreted as groups (or clusters) of similar contexts of the ambiguous word. Words, contexts, and senses are represented in Word Space, a high-dimensional, real-valued space in which closeness corresponds to semantic similarity. Similarity in Word Space is based on second-order co-occurrence: two tokens (or contexts)

of the ambiguous word are assigned to the same sense cluster if the wo ...

5 Same words, different meanings: are basic IS/IT concepts our self-imposed Tower of Babel?

Steven Alter

May 2000 **Communications of the AIS**

Full text available: [pdf\(349.97 KB\)](#) Additional Information: [full citation](#), [references](#), [citations](#)



6 A prototype implementation of the SQL Ada module extension (SAME) method

Allison LeClair, Susan Phillips

December 1990 **Proceedings of the conference on TRI-ADA '90**

Full text available: [pdf\(1.20 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)



As Ada becomes more widespread, the ability to access commercial database technologies through Ada systems becomes a significant issue. Researchers throughout our industry are investigating interface approaches between Ada and these technologies, including language bindings between Ada and SQL, a relational data base language. This paper presents a recent implementation of one such binding—the SQL Ada Module Extension (SAME) method.

7 Isosurfaces on optimal regular samples

Hamish Carr, Thomas Theußl, Torsten Möller

May 2003 **Proceedings of the symposium on Data visualisation 2003**

Full text available: [pdf\(1.32 MB\)](#) Additional Information: [full citation](#), [abstract](#)



Volumetric samples on Cartesian lattices are less efficient than samples on body-centred cubic (BCC) lattices. We show how to construct isosurfaces on BCC lattices using several different algorithms. Since the mesh that arises from BCC lattices involves a large number of cells, we show two alternate methods of reducing the number of cells by clumping tetrahedra into either octahedra or hexahedra. We also propose a theoretical model for estimating triangle counts for various algorithms, and prese ...

8 Dimensions of meaning

H. Schütze

December 1992 **Proceedings of the 1992 ACM/IEEE conference on Supercomputing**

Full text available: [pdf\(964.54 KB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)



9 Orthogonal Latin squares: an application of experiment design to compiler testing

Robert Mandl

October 1985 **Communications of the ACM**, Volume 28 Issue 10

Full text available: [pdf\(536.13 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)



Orthogonal Latin squares—a new method for testing compilers—yields the informational equivalent of exhaustive testing at a fraction of the cost. The method has been used successfully in designing some of the tests in the Ada Compiler Validation Capability (ACVC) test suite.

10 Chain mulitplication of matrices of approximately or exactly the same size

Nicola Santoro

February 1984 **Communications of the ACM**, Volume 27 Issue 2

Full text available: [pdf\(387.25 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)



We present a different approach to finding an optimal computation order; it exploits both the difference between the size of the matrices and the difference between the number of

nonzero elements in the matrices. Therefore, this technique can be usefully applied where the matrices are almost or exactly the same size. We show that using the proposed technique, an optimal computation order can be determined in time  $O(n)$  if the matrices have the same  $s$  ...

**Keywords:** linear multiplication order, matrix chain product, sparse matrices

# 11 When do bounds and domain propagation lead to the same search space

Christian Schulte, Peter J. Stuckey

September 2001 **Proceedings of the 3rd ACM SIGPLAN international conference on Principles and practice of declarative programming**

Full text available: [pdf\(295.88 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

This paper explores the question of when two propagation-based constraint systems have the same behaviour, in terms of search space. We categorise the behaviour of domain and bounds propagators for primitive constraints, and provide theorems that allow us to determine propagation behaviours for conjunctions of constraints. We then show how we can use this to analyse CLP(FD) programs to determine when we can safely replace domain propagators by more efficient bounds propagators without increasing ...

**Keywords:** abstract interpretation, bounds propagation, constraint (logic) programming, domain propagation, finite domain constraints, program analysis

# 12 Why batch and user evaluations do not give the same results

Andrew H. Turpin, William Hersh

September 2001 **Proceedings of the 24th annual international ACM SIGIR conference on Research and development in information retrieval**

Full text available: [pdf\(197.18 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Much system-oriented evaluation of information retrieval systems has used the Cranfield approach based upon queries run against test collections in a batch mode. Some researchers have questioned whether this approach can be applied to the real world, but little data exists for or against that assertion. We have studied this question in the context of the TREC Interactive Track. Previous results demonstrated that improved performance as measured by relevance-based metrics in batch studies di ...

# 13 A simulation model for same day care facility at a university hospital

Wafik H. Iskander, D. Mark Carter

December 1991 **Proceedings of the 23rd conference on Winter simulation**

Full text available: [pdf\(594.02 KB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

# 14 On variations of queue response for inputs with the same mean and autocorrelation function

Bruce Hajek, Linhai He

October 1998 **IEEE/ACM Transactions on Networking (TON)**, Volume 6 Issue 5

Full text available: [pdf\(446.05 KB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

**Keywords:** multiplexing delay, queueing, spectral analysis

# 15 Enhancing visual interaction: A system for supporting and managing same-time/different-place group interactions

Pedro A. Antunes

May 1998 **Proceedings of the working conference on Advanced visual interfaces**

Full text available:  pdf(1.68 MB) Additional Information: [full citation](#), [abstract](#), [references](#)

This paper describes a user-interface system developed to support group interactions for same-time/different-place cooperative applications. We address three fundamental aspects of these kind of systems: information sharing, coordination and multiuser-interface. The proposed approach defines four types of objects. *Contents* store application data. *Containers* are dedicated to organise and structure application data. *Connections* manage group coordination. And, finally, *Monit* ...

**Keywords:** CSCW, group interaction

#### 16 Web mining: Using latent semantic analysis to find different names for the same entity in free text

Tim Oates, Vinay Bhat, Vishal Shanbhag

November 2002 **Proceedings of the 4th international workshop on Web information and data management**

Full text available:  pdf(193.51 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

A common problem faced when gathering information from the web is the use of different names to refer to the same entity. For example, the city in India referred to as Bombay in some documents may be referred to as Mumbai in others because its name officially changed from the former to the latter in 1995. Multiplicity of names can cause relevant documents to be missed by search engines. Our goal is to develop an automated system that discovers additional names for an entity given just one of its ...

**Keywords:** alias discovery, free text, latent semantic analysis

#### 17 Testing TAPed cores and wrapped cores with the same test access mechanism

M. Benabdenbi, W. Maroufi, M. Marzouki

March 2001 **Proceedings of the conference on Design, automation and test in Europe**

Full text available:  pdf(106.84 KB) Additional Information: [full citation](#), [references](#), [index terms](#)

#### 18 Convertibility verification and converter synthesis: two faces of the same coin

Roberto Passerone, Luca de Alfaro, Thomas A. Henzinger, Alberto L. Sangiovanni-Vincentelli

November 2002 **Proceedings of the 2002 IEEE/ACM international conference on Computer-aided design**

Full text available:  pdf(187.33 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

An essential problem in component-based design is how to compose components designed in isolation. Several approaches have been proposed for specifying component interfaces that capture behavioral aspects such as interaction protocols, and for verifying interface compatibility. Likewise, several approaches have been developed for synthesizing converters between incompatible protocols. In this paper, we introduce the notion of adaptability as the property that two interfaces have when they can be ...

#### 19 A churn-resistant peer-to-peer web caching system

Prakash Linga, Indranil Gupta, Ken Birman

October 2003 **Proceedings of the 2003 ACM workshop on Survivable and self-regenerative systems: in association with 10th ACM Conference on Computer and Communications Security**

Full text available:  pdf(1.07 MB) Additional Information: [full citation](#), [abstract](#), [references](#)

Denial of service attacks on peer-to-peer (p2p) systems can arise from sources otherwise considered non-malicious. We focus on one such commonly prevalent source, called "churn". Churn arises from continued and rapid arrival and failure (or departure) of a large number of participants in the system, and traces from deployments have shown that it can lead to

extremely stressful networking conditions. It has the potential to increase host loads and block a large fraction of normal insert and lo ...

## 20 Research papers: formal specification and formal languages: What design heuristics may enhance the utility of a formal specification?

John A. van der Poll, Paula Kotzé

September 2002 **Proceedings of the 2002 annual research conference of the South African institute of computer scientists and information technologists on Enablement through technology**

Full text available:  [pdf\(189.83 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#), [review](#)

General design heuristics are fairly common in the field of software engineering. Although formal specification can be seen as a subsection of software engineering, design heuristics for constructing a formal specification have been relatively rare. This paper examines a number of formal specifications written in **Z** as well as some design heuristics from software engineering and areas of general design, upon which we propose ten design heuristics that may be used in drawing up a formal spe ...

**Keywords:** OTTER, Z, automated reasoning, formal specification, heuristics, primitives, set theory

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